

.....  
(Original Signature of Member)

110TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

To develop a methodology for, and complete, a national assessment of geological storage capacity for carbon dioxide, and for other purposes.

\_\_\_\_\_

IN THE HOUSE OF REPRESENTATIVES

Mr. GORDON of Tennessee introduced the following bill; which was referred to the Committee on \_\_\_\_\_

\_\_\_\_\_

**A BILL**

To develop a methodology for, and complete, a national assessment of geological storage capacity for carbon dioxide, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “National Carbon Diox-  
5       ide Storage Capacity Assessment Act of 2007”.

6       **SEC. 2. DEFINITIONS.**

7       In this Act:

1           (1) ASSESSMENT.—The term “assessment”  
2 means the national assessment of geological storage  
3 capacity for carbon dioxide completed under this  
4 Act.

5           (2) CAPACITY; GEOLOGICAL STORAGE CAPAC-  
6 ITY.—The terms “capacity” and “geological storage  
7 capacity” mean the portion of a storage formation  
8 that can retain carbon dioxide under the parameters  
9 (including physical, geological, and economic param-  
10 eters) established under the methodology developed  
11 under this Act.

12          (3) ENGINEERED HAZARDS.—The term “engi-  
13 neered hazards” includes the location and comple-  
14 tion history of any well that could affect potential  
15 storage.

16          (4) RISK.—The term “risk” includes risks  
17 posed by geomechanical, geochemical,  
18 hydrogeological, structural, and engineered hazards.

19          (5) SECRETARY.—The term “Secretary” means  
20 the Secretary of the Interior, acting through the Di-  
21 rector of the United States Geological Survey.

22          (6) STORAGE FORMATION.—The term “storage  
23 formation” means a saline formation, unmineable  
24 coal seam, or oil or gas reservoir capable of accom-  
25 modating a volume of carbon dioxide.

1   **SEC. 3. METHODOLOGY FOR NATIONAL ASSESSMENT OF**  
2                   **GEOLOGICAL STORAGE CAPACITY FOR CAR-**  
3                   **BON DIOXIDE.**

4           (a) IN GENERAL.—Not later than 270 days after the  
5   date of enactment of this Act, the Secretary shall develop  
6   a methodology for conducting a national assessment of the  
7   geological storage capacity for carbon dioxide.

8           (b) POTENTIAL STORAGE FORMATIONS.—In devel-  
9   oping the methodology under this section, the Secretary  
10  shall consider—

11           (1) the geographic extent of all potential stor-  
12   age formations in each of the 50 States and the Dis-  
13   trict of Columbia;

14           (2) the capacity of the potential storage forma-  
15   tions;

16           (3) the injectivity of the potential storage for-  
17   mations;

18           (4) an estimate of potential volumes of oil and  
19   gas recoverable by injection and storage of industrial  
20   carbon dioxide in potential storage formations; and

21           (5) the risk associated with the potential stor-  
22   age formations.

23           (c) COORDINATION.—

24           (1) FEDERAL COORDINATION.—

25                   (A) CONSULTATION.—The Secretary shall  
26   consult with the Secretary of Energy and the

1 Administrator of the Environmental Protection  
2 Agency on issues of data sharing, format, devel-  
3 opment of the methodology, and content of the  
4 assessment required under this Act to ensure  
5 the maximum usefulness and success of the as-  
6 sessment.

7 (B) COOPERATION.—The Secretary of En-  
8 ergy and the Administrator of the Environ-  
9 mental Protection Agency shall cooperate with  
10 the Secretary to ensure, to the maximum extent  
11 practicable, the usefulness and success of the  
12 assessment.

13 (2) STATE COORDINATION.—The Secretary  
14 shall consult with State geological surveys and other  
15 relevant entities to ensure, to the maximum extent  
16 practicable, the usefulness and success of the assess-  
17 ment.

18 (d) OPPORTUNITY FOR REVIEW AND COMMENT.—  
19 During the period beginning on the date that is 270 days  
20 after the date of enactment of this Act and ending not  
21 less than 45 days, and not more than 90 days thereafter,  
22 the Secretary shall provide the heads of stakeholder Fed-  
23 eral agencies, the heads of State land management agen-  
24 cies, industry stakeholders, and the public with an oppor-

1 tunity to review and comment on the proposed method-  
2 ology developed under subsection (a).

3 (e) INDEPENDENT VERIFICATION.—During the pe-  
4 riod described in subsection (d), the Secretary shall con-  
5 vene a committee of subject matter experts composed of  
6 representatives of Federal agencies, institutions of higher  
7 education, nongovernmental organizations, State organi-  
8 zations, industry, and international geoscience organiza-  
9 tions to conduct a review of the methodology for capacity  
10 and risk estimation required to carry out this section.

11 (f) FINAL PUBLICATION.—Not later than 90 days  
12 after the period described in subsection (d), the Secretary  
13 shall—

14 (1) publish in the Federal Register a descrip-  
15 tion of the final methodology to be used for con-  
16 ducting the national assessment of the geological  
17 storage capacity for carbon dioxide required under  
18 subsection (a), taking into account any comments  
19 received under subsection (d) and the methodology  
20 review conducted under subsection (e); and

21 (2) issue a public report that responds to the  
22 comments received under subsection (d) and the  
23 methodology review under subsection (e).

1 **SEC. 4. COMPLETION OF NATIONAL ASSESSMENT OF GEO-**  
2 **LOGICAL STORAGE CAPACITY FOR CARBON**  
3 **DIOXIDE.**

4 (a) IN GENERAL.—Not later than 2 years after the  
5 date of final publication of the methodology, the Secretary  
6 shall complete a national assessment of geological storage  
7 capacity for carbon dioxide using the methodology devel-  
8 oped under section 3.

9 (b) DATABASE.—

10 (1) IN GENERAL.—The Secretary shall establish  
11 a database on the Internet accessible to the public  
12 that provides the results of the assessment required  
13 under this section, including a detailed description of  
14 the data collected under the assessment.

15 (2) DATA.—The database shall include the data  
16 necessary to rank potential storage sites for capacity  
17 and risk, across the United States, within each  
18 State, by formation, and within each basin.

19 (c) REPORT.—

20 (1) IN GENERAL.—Not later than 180 days  
21 after the date on which the assessment required  
22 under this section is completed, the Secretary shall  
23 submit to the Congress and the President a report  
24 that describes the findings of the assessment.

1           (2) PUBLIC AVAILABILITY.—The Secretary  
2       shall make the report required under this subsection  
3       available on the Internet.

4 **SEC. 5. AUTHORIZATION OF APPROPRIATIONS.**

5       There are authorized to be appropriated to carry out  
6 this Act \$20,000,000 for the period beginning on October  
7 1 of the first full fiscal year after the date of enactment  
8 of this Act and ending 4 years thereafter.